

**SECRET**

14 April 1965

**MEMORANDUM FOR : Deputy for Technology/OSA**

**SUBJECT : Breathing LOX** [redacted]

25X1A

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1. Reference message from [redacted]  
expressing appreciation for support in solving LOX problem.

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2. Until recently [redacted] had been receiving, per mil.  
spec., propellant LOX which they have been using for breathing.  
Follow-up through Firewel Co. and [redacted]  
revealed the following:

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a. LOX comes in one grade which is 99.7% pure  
and falls within mil. spec. for breathing oxygen. The  
remaining .3% is made up of inert argon and nitrogen.

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b. Necessity for different specs. is created by  
handling procedures, i.e., sampling and frequency and  
method of purging.

c. We are now receiving LOX for breathing per spec.

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[redacted]

ASD/OSA

cc: D/TECH/OSA  
ASD/OSA  
chrono

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